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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: September 15, 2004 Name: K. Shannon Mrksich Signature: S. Mrksich

BRINKS
HOFER
GILSON
& LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: HISASHI YAMAMOTO ET AL.

Appln. No.: 10/762,028

Examiner: Not Assigned

Filed: January 20, 2004

Art Unit: 1625

For: CATALYTIC ASYMMETRIC
EPOXIDATION

Attorney Docket No: 7814/93

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- Transmittal and Power of Attorney.
 Return Receipt Postcard

Fee calculation:

- No additional fee is required.
 Small Entity.
 An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
 A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(______).
 An additional filing fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Small Entity		Not a Small Entity		
					Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$	Total	\$	

Fee payment:

- Checks in the amounts of \$_____ are enclosed.
 Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
 Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
 The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

S. Mrksich

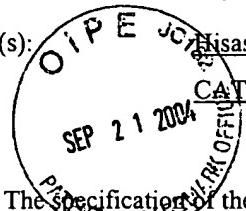
Date

9-15-04

K. Shannon Mrksich (Reg. No. 36,675)

Inventor(s): Hisashi Yamamoto, Arindrajit Basak and Wei Zhang

Title: CATALYTIC ASYMMETRIC EPOXIDATION



UCHI 1131

POWER OF ATTORNEY

The specification of the above-identified patent application:

- is attached hereto
 was filed on January 20, 2004 as application Serial No. 10/762,028

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Henry L. Brinks	(17,013)	James L. Katz	(42,711)
Richard G. Lione	(19,795)	David W. Okey	(42,959)
Raymond W. Green	(24,587)	James A. Collins	(43,557)
Allan J. Stemstein	(27,396)	John Murray	(44,251)
Gary M. Ropski	(28,257)	David H. Bluestone	(44,542)
John K. Lucas	(27,024)	Vineet Gauri	(44,701)
Joel W. Benson	(29,002)	Vincent J. Gnoffo	(44,714)
William H. Frankel	(30,337)	Timothy P. Lucier	(44,882)
Richard A. Kaplan	(30,563)	Charles M. McMahon	(44,926)
James P. Naughton	(30,665)	Richard E. Stanley	(45,662)
James R. Sobieraj	(30,805)	Timothy K. Clintworth	(46,162)
Rodney A. Daniel	(31,605)	Anthony P. Curtis	(46,193)
Steven P. Shurtz	(31,424)	Jeffry M. Nichols	(46,958)
Jeffery M. Duncan	(31,609)	Anastasia Heffner	(47,638)
Thomas J. Filarski	(31,612)	Carmen Matos Michael	(47,793)
Glen P. Belvis	(31,735)	Gregory H. Zayia	(48,059)
Harold V. Johnson	(31,972)	Jonathan P. Taylor	(48,338)
Gustavo Siller, Jr.	(32,305)	Sean P. Springman	(48,415)
Bradley G. Lane	(33,411)	Justin B. Rand	(48,552)
Timothy Q. Delaney	(33,674)	Christopher A. Harkins	(48,775)
Jasper W. Dockrey	(33,868)	Mark D. Weis	(48,826)
Ralph J. Gabric	(34,167)	Susan D. Reinecke	(40,198)
G. Peter Nichols	(34,401)	Dave Murray	(28,647)
John C. Freeman	(34,483)	Steve Oberholtzer	(30,670)
William F. Prendergast	(34,699)	Hugo Delevie	(32,688)
Michael E. Milz	(34,880)	Eric Sosenko	(34,440)
Janet A. Pioli	(35,323)	Margaret Dobrowitsky	(36,501)
Robert S. Mallin	(35,596)	Ray Vivacqua	(45,469)
Dominic P. Zanfardino	(36,068)	Lawrence Almeda	(46,151)
K. Shannon Mrksich, Ph.D.	(36,675)	Michael Spink	(47,107)
Michael P. Chu	(37,112)	John Card	(48,423)
John G. Rauch	(37,218)	Robert Fergan	(51,674)
Kent E. Genin	(37,834)	Robert Pluta	(50,970)
Meredith Martin Addy	(37,883)	Heidi A. Dare	(50,775)
Marc V. Richards	(37,921)	Cyrus Bharucha	(42,324)
Craig A. Summerfield	(37,947)		
Andrew D. Stover	(38,629)		
Mark H. Remus	(40,141)		
Tadashi Horie	(40,437)		
Joseph F. Hetz	(41,070)		
Jason C. White	(42,223)		

Please address all correspondence and telephone calls to K. Shannon Mrksich in care of:

Brinks Hofer Gilson & Lione
P.O. Box 10395
Chicago, IL 60610
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the University of Chicago as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

University of Chicago, a non-for-profit organization, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- An assignment from the inventor(s) of the patent application identified above, a copy of which is attached hereto.

OR

An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, frame _____.

OR

A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, frame _____, or a copy thereof is attached.

2. From _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, frame _____, or a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned has reviewed the assignment or all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature



Date:

9/2/03

Name:

Alan Thomas

Title:

Director, Office of Technology and Intellectual Property

ASSIGNMENT

WHEREAS, Hisashi Yamamoto, Arindrajit Basak and Wei Zhang, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled A CATALYTIC SYMMETRIC EPOXIDATION, for a full description of which reference is here made to an application for Letters Patent of the United States filed on January 20, 2004, and assigned Application Serial No. 10/762,028;

WHEREAS, University of Chicago, a non-for-profit organization, organized and existing under the laws of the State of Illinois, having a place of business at 5555 South Woodlawn, Suite 300, Chicago, Illinois 60637, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and

patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

Aug 13. 2004

H. Yamamoto
Hisashi Yamamoto

DATED:

Arindrajit Basak

DATED:

Aug. 13. 2004

Wei Zhang
Wei Zhang

patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____ Hisashi Yamamoto

DATED: 08/19/04 Arindrajit Basak
Arindrajit Basak

DATED: _____ Wei Zhang

STATE OF Illinois)
) ss.
COUNTY OF County)

I, Carmen Diab, A Notary Public in and for the County and State aforesaid, do hereby certify that Hisashi Yamamoto, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this
13th day of August, 2004.

Carm Diab

Notary Public

My Commission Expires: 8/27/07



STATE OF ~~ILLINOIS~~, CALIFORNIA
COUNTY OF ~~COOK~~) ~~SANTA CLARA~~

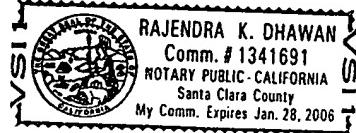
Rajendra K. Dhawan

I, *Rajendra K. Dhawan*, A Notary Public in and for the County and State aforesaid, do hereby certify that Arindrajit Basak, ~~personally known to me~~ to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~(s)he~~ signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 19th day of Aug, 2004.

Rajendra K. Dhawan
Notary Public

My Commission Expires: 01/28/06



STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, Carmen Diab, A Notary Public in and for the County and State aforesaid, do hereby certify that WEI ZHANG, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this
13th day of August, 2004.

Carmen Diab

Notary Public

My Commission Expires: 8/27/07

